

## MMS – Mountain Mahogany / Mountain Muhly Shrubland (Map Unit 16)



Photo credit: Jim Von Loh



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The Mountain Mahogany / Mountain Muhly Shrubland (MMS, Map Unit 16) represents the *Cercocarpus montanus* / *Muhlenbergia montana* (Mountain Mahogany / Mountain Muhly) Shrubland Association.

This shrubland occupies gravelly substrate and rocky sites on the dry, upper slopes of hills and ridges at mid and high elevations throughout the monument. These slopes are steep, drain rapidly, and are typically oriented south to southeast, although a few ridges are more westerly trending. *Cercocarpus montanus* shrubs are scattered on these sites and the canopies rarely overlap. Often these stands occur within canopy breaks among ponderosa pine woodland stands of the same exposures.

## MMS – Mountain Mahogany / Mountain Muhly Shrubland (Map Unit 16) Continued

### Photo Signatures

In the natural color photography, the shrubs of MMS appear as small gray dots and in color infrared photography, they appear as small red dots. In both types of photography, they have a medium texture. They are 1–2 m tall, have a foliar cover of 10-30%, and form a random pattern of fairly evenly dispersed dots. In the natural color photography, the background grasses and ground appears as tan with a smooth texture. In color infrared photography, they appear as white to gray with a smooth texture. Photo MMS-1 (natural color) was taken in September 1996 and MMS-2 (color infrared) was taken in August 1983. Both photos are of the same location.

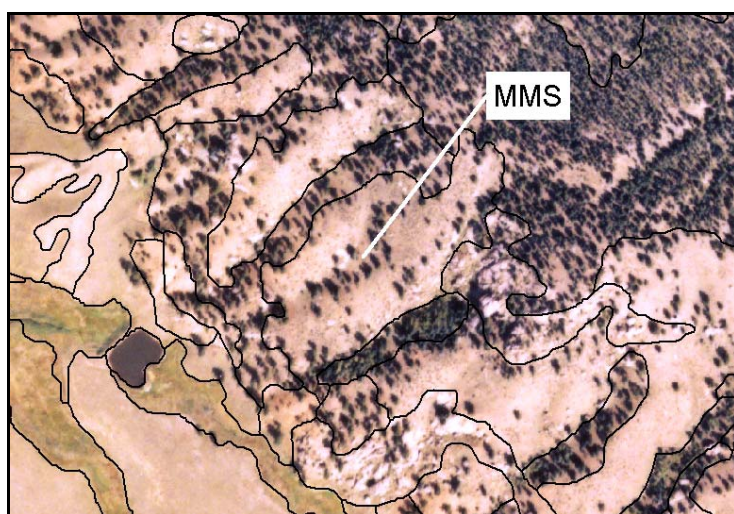
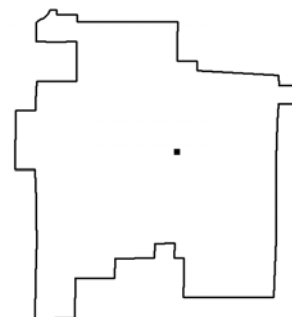


Photo MMS-1



Location of **MMS-1** within  
National Monument

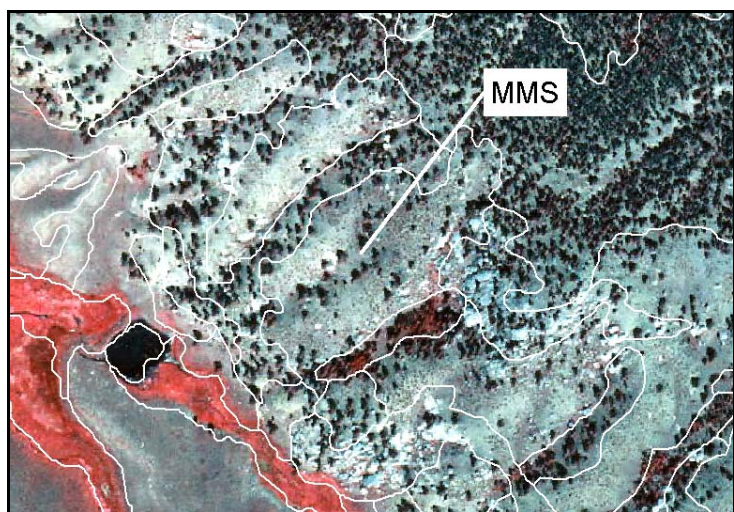
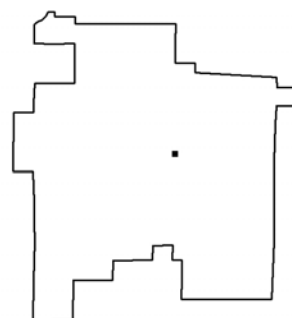


Photo MMS-2



Location of **MMS-2** within  
National Monument

## **MMS – Mountain Mahogany / Mountain Muhly Shrubland (Map Unit 16) Continued**

### **Area Report for MMS Map Unit**

Number of Polygons: 52

Number of Hectares: 93.5

Number of Acres: 231.0

Average Size: 1.8 hectares, 4.4 acres

### **Accuracy Assessment Results for MMS Map Unit**

The Mountain Mahogany / Mountain Muhly Shrubland Map Unit was assessed at 87% for producers' accuracy (confidence interval 69-100%) and at 36% users' accuracy (confidence interval 21-51%).